

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method for segmenting a music video (507) in a multimedia stream (505), said method comprising the steps of:

receiving a multimedia stream (505) including at least one music video (507);

segmenting said at least one music video (507) from said multimedia stream (505) by evaluating a plurality of content features (1210, 1220, 1230) related to said multimedia stream (505); and

identifying said at least one music video (507),
wherein said plurality of content features includes a face presence feature to evaluate patterns in the presentation of faces in said multimedia stream.

2. (Currently Amended) The method of as claimed in claim 1, wherein said method further comprising comprises the step of:
generating a summary (410) of said at least one music video (507).

3. (Currently Amended) The method of as claimed in claim 1, wherein said summary (410) of said at least one music video (507) is presented to a user based on personalized preferences.

4. (Currently Amended) The method of as claimed in claim 1, wherein said at least one music video (507) may be retrieved by a user based on personalized preferences.

5. (Currently Amended) The method of as claimed in claim 1, wherein said plurality of content features (1210, 1220, 1230) are processed using a pattern recognition engine (1000) to identify said at least one music video (507).

6. (Currently Amended) The method of as claimed in claim 1, wherein said plurality of content features (1210, 1220, 1230) are processed using a Bayesian Belief Network (1000) to identify said at least one music video (507).

7. (Currently Amended) The method of as claimed in claim 1, wherein said plurality of content features (1210, 1220, 1230) are processed using one or more video segmentation rules (1115) to identify said at least one music video (507).

8. (Cancelled) .

9. (Currently Amended) The method of as claimed in claim 1, wherein said plurality of content features (1210, 1220, 1230) further includes a videotext presence feature that determines when videotext appears in said multimedia stream (505).

10. (Currently Amended) The method of ~~as claimed in~~ claim 1, wherein said plurality of content features ~~(1210, 1220, 1230)~~ further includes a color histogram feature to evaluate patterns in the color content of said multimedia stream ~~(505)~~.

11. (Currently Amended) The method of ~~as claimed in~~ claim 1, wherein said plurality of content features ~~(1210, 1220, 1230)~~ further includes a camera cut feature to evaluate patterns in the camera cuts and movements in said multimedia stream ~~(505)~~.

12. (Currently Amended) ~~The method of claim 1~~ A method for segmenting a music video in a multimedia stream, said method comprising the steps of:

receiving a multimedia stream including at least one music video;

segmenting said at least one music video from said multimedia stream by evaluating a plurality of content features related to said multimedia stream; and

identifying said at least one music video, wherein said plurality of content features ~~(1210, 1220, 1230)~~ includes an analysis of key words obtained from a transcript of said at least one music video ~~(507)~~.

13. (Currently Amended) The method of ~~as claimed in~~ claim 1, wherein said plurality of content features ~~(1210, 1220,~~

1230} further includes an analysis of low level features derived directly from said multimedia stream.

14. (Currently Amended) The method of as claimed in claim 13, wherein said low level features include one or more of a number of edges or shapes or local or global motion.

15. (Currently Amended) The method of as claimed in claim 1, wherein said plurality of content features ~~(1210, 1220,~~
1230} further includes an audio feature.

16. (Currently Amended) The method of as claimed in claim 15, wherein said audio feature evaluates a volume of said multimedia stream—~~(505)~~.

17. (Currently Amended) The method of as claimed in claim 15, wherein said audio feature evaluates one or more of a mel frequency cepstral coefficient (MFCC), linear predictive coefficient (LPC), or variations in pitch bandwidth, volume or tone.

18. (Currently Amended) The method of as claimed in claim 1, wherein said method further comprising comprises the step of:
obtaining identifying information for said at least one music video from an external source.

19. (Currently Amended) A method for detecting a chorus in at least one music video-(507), said method comprising the steps of:
receiving a multimedia stream-(505) including said at least one music video-(507);
accessing a transcript associated with said at least one music video-(507); and
detecting said chorus based upon a repetition of words in said transcript.

20. (Currently Amended) The method of as claimed in claim 19, wherein said transcript is obtained from closed caption information.

21. (Currently Amended) The method of as claimed in claim 19, wherein said chorus is employed for an automatic generation of a summary-(410) of said at least one music video-(507).

22. (Currently Amended) The method of as claimed in claim 19, wherein said method further comprising the steps of:
detecting said repeated words; and
clustering said repeated words.

23. (Currently Amended) The method of as claimed in claim 19, wherein said detecting step is further based upon additional content features related to said multimedia stream.

24. (Currently Amended) The method of as claimed in claim 19, wherein said method further comprising the step of:

obtaining identifying information for said at least one music video from an external source.

25. (Currently Amended) An apparatus for segmenting a music video (507) in a multimedia stream (505), said apparatus comprising:

a memory (280); and

at least one controller (270), coupled to the memory (280), operative to:

receive a multimedia stream (505) including at least one music video (507);

apply a plurality of content features (1210, 1220, 1230) related to said multimedia stream (505) to a pattern recognition engine (1000) to segment said at least one music video (507) from said multimedia stream (505); and

identify said at least one music video (507).

wherein said plurality of content features includes a face presence feature and at least one of: a videotext presence feature; a color histogram feature; a camera cut feature; and an analysis of key words obtained from a transcript of said at least one music video.

26. (Currently Amended) The apparatus of as claimed in claim 25, wherein said pattern recognition engine (1000) is a Bayesian Belief Network.

27. (Currently Amended) The apparatus of as claimed in claim 25, wherein said pattern recognition engine (1000) is a neural network.

28. (Currently Amended) The apparatus of as claimed in claim 25, wherein said pattern recognition engine (1000) employs an Auto Regressive Moving Average technique.

29. (Cancelled).

30. (Currently Amended) An apparatus for segmenting a music video (507) in a multimedia stream (505), said apparatus comprising:

a memory (280); and

at least one controller (270), coupled to the memory (280), operative to:

receive a multimedia stream (505) including at least one music video (507);

apply a plurality of content features (1210, 1220, 1230) related to said multimedia stream (505) to one or more video segmentation rules (1115) to segment said at least one music video (507) from said multimedia stream (505); and

identify said at least one music video (507),
wherein said plurality of content features includes a face presence feature and at least one of: a videotext presence feature; a color

histogram feature; a camera cut feature; and an analysis of key words obtained from a transcript of said at least one music video.

31. (Cancelled).

32. (Currently Amended) The apparatus of ~~as claimed in~~ claim 30, wherein said one or more video segmentation rules ~~(1115)~~ define a threshold for said plurality of content features ~~(1210, 1220, 1230)~~ to determine when a video segment has occurred.